United Nations ST/SG/SER.E/329

Secretariat

Distr.: General
25 January 2001

Original: English

Committee on the Peaceful
Uses of Outer Space

# Information furnished in conformity with the Convention on Registration of Objects Launched into Outer Space

## Note verbale dated 2 November 2000 from the Permanent Mission of the United States of America to the United Nations (Vienna) addressed to the Secretary-General

The Permanent Mission of the United States of America to the United Nations (Vienna) presents its compliments to the Secretary-General of the United Nations and, in accordance with article IV of the Convention on Registration of Objects Launched into Outer Space (General Assembly resolution 3235 (XXIX), annex), has the honour to transmit the registration data for the space launches by the United States during the period January–August 2000 (see annex).

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## Annex

# Registration data for United States space launches

The following report supplements the registration data for the United States launches as of 31 January 2000. All launches were made from the territory of the United States unless otherwise specified.*

| International designation | Date of launch | Basic orbital characteristics: Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space objects |
|---|---|---|---|---|---|---|
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-001A | 21 January 2000 | 628.4 | 26.2 | 35 550 | 203 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-001B | 21 January 2000 | 619.22 | 26.1 | 35 141 | 234 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-001C | 21 January 2000 | 628.4 | 26.2 | 35 550 | 203 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-002A | 25 January 2000 | 1 436.2 | 0.1 | 35 794 | 35 782 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004A | 27 January 2000 | 100.1 | 100.2 | 806 | 782 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004B | 27 January 2000 | 100.1 | 100.2 | 806 | 782 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004C | 27 January 2000 | 100.1 | 100.2 | 807 | 782 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |

* The registration data are reproduced as they were received from the launching State.

| International designation | Date of launch | Basic orbital characteristics: Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space objects |
|---|---|---|---|---|---|---|
| The following objects were launched since the last report and remain in orbit (cont.): | | | | | | |
| 2000-004D | 27 January 2000 | 100.4 | 100.2 | 809 | 752 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004E | 27 January 2000 | 100.4 | 100.2 | 807 | 752 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004H | 27 January 2000 | 100.3 | 100.2 | 802 | 753 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-004G | 27 January 2000 | 100.4 | 100.2 | 807 | 753 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1965-108L | 21 December 1965 | 449.3 | 26.6 | 25 760 | 148 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1965-108M | 21 December 1965 | 273.3 | 27.2 | 14 601 | 543 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1965-108N | 21 December 1965 | 534.7 | 26.6 | 29 884 | 1 005 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 1993-009D | 09 February 1993 | 98.8 | 24.9 | 727 | 681 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

| International designation | Date of launch | Basic orbital characteristics: Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space object |
|---|---|---|---|---|---|---|
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 January 2000 | | | | | | |
| 1972-058N, 1972-058T | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 January 2000 | | | | | | |
| None | | | | | | |
| The following objects identified in a previous report are no longer in orbit as of 2400Z 31 January 2000 | | | | | | |
| 1965-082GX, 1990-043E, 1993-015B, 1994-029BV, 1994-029EJ, 1994-029EP, 1994-029FV, 1994-029QR, 1994-029JY, 1994-029AEG, 1998-046J | | | | | | |
| The following objects were launched since the last report but did not achieve orbit | | | | | | |
| None | | | | | | |
| Revisions that should be made to previously reported data | | | | | | |
| None | | | | | | |

The following report supplements the registration data for the United States launches as of 29 February 2000. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space object* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-007B | 03 February 2000 | 810.5 | 18.0 | 44,633 | 265 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 2000-008A | 08 February 2000 | 103.5 | 52.0 | 932 | 911 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-008B | 08 February 2000 | 103.5 | 52.0 | 930 | 911 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-008C | 08 February 2000 | 103.6 | 52.0 | 932 | 922 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-008D | 08 February 2000 | 103.4 | 52.0 | 929 | 911 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-008E | 08 February 2000 | 94.7 | 49.6 | 791 | 225 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 2000-004G | 27 January 2000 | 100.3 | 100.2 | 818 | 761 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 2000-004H | 27 January 2000 | 100.2 | 100.2 | 813 | 764 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004J | 27 January 2000 | 100.3 | 100.2 | 816 | 761 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |

| International designation | Date of launch | Basic orbital characteristics: Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space objects |
|---|---|---|---|---|---|---|
| 2000-004K | 27 January 2000 | 100.3 | 100.2 | 818 | 762 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004L | 27 January 2000 | 100.3 | 100.2 | 818 | 763 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004M | 27 January 2000 | 100.3 | 100.2 | 818 | 764 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-004N | 27 January 2000 | 100.1 | 100.2 | 804 | 751 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 29 February 2000:

None

The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 29 February 2000:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2000-010A | 11 February 2000 | 88.9 | 38.9 | 227 | 218 | Reusable space transportation system |

The following objects identified in a previous report are no longer in orbit as of 2400Z 29 February 2000:

1968-066E, 1974-089H, 1993-042C, 1994-029DB, 1994-029EX, 1994-029NG, 1994-029WC, 1994-029ZS, 1999-028H, 1999-030B

The following objects were launched since the last report but did not achieve orbit:

None

Revisions that should be made to previously reported data:

None

The following report supplements the registration data for the United States launches as of 31 March 2000. All launches were made from the territory of the United States unless otherwise specified.

| International designation | Date of launch | Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space object |
|---|---|---|---|---|---|---|
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-014A | 12 March 2000 | 96.5 | 97.4 | 636 | 581 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-014B | 12 March 2000 | 96.5 | 97.4 | 628 | 591 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 2000-016A | 21 March 2000 | 1 436.12 | 0.0605 | 35 787 | 35 787 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-017A | 25 March 2000 | 856.2 | 89.0 | 45 989 | 997 | Spacecraft engaged in investigation of space-flight techniques and technology |
| 2000-017B | 25 March 2000 | 97.1 | 91.3 | 1 046 | 194 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| 2000-017C | 25 March 2000 | 853.9 | 89.0 | 45 883 | 992 | Spent boosters, spent maneuvering stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| None. | | | | | | |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 11 March 2000: | | | | | | |
| None. | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 11 March 2000: | | | | | | |
| None. | | | | | | |

| International designation | Date of launch | Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space objects |
|---|---|---|---|---|---|---|
| **Basic orbital characteristics** | | | | | | |

The following objects identified in a previous report are no longer in orbit as of 2400Z 31 March 2000:

1961-015BD, 1969-082CW, 1969-082JC, 1974-089EE, 1977-102D, 1990-093B, 1994-029EK, 1994-029GN, 1994-029GX, 1994-029LD, 1994-029LG, 1994-029NU, 1994-029PK, 1994-029QS, 1994-029UE, 1994-029ZQ, 1994-029ZW, 1994-029AAF

The following objects were launched since the last report but did not achieve orbit:

None

Revisions that should be made to previously reported data:

None

The following report supplements the registration data for the United States launches as of 30 April 2000. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | *General function of space object* |
|---|---|---|---|---|---|---|
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-020A | 19 April 2000 | 1 436.2 | 0.0102 | 35 796 | 35 781 | Spacecraft engaged in practical applications and use of space technology, such as weather or communications |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1999-067D | 12 December 1999 | 101.2 | 98.8 | 863 | 848 | Space fragment (post manoeuvring stages debris) and other non-functional objects |
| 1999-067T | 12 December 1999 | 101.6 | 98.8 | 863 | 852 | Space fragment (post manoeuvring stages debris) and other non-functional objects |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 24002 30 April 2000: | | | | | | |
| None | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 24002 30 April 2000: | | | | | | |
| None | | | | | | |
| The following objects identified in a previous report are no longer in orbit as of 24002 30 April 2000: | | | | | | |
| 1964-026J, 1976-025D, 1978-026PQ, 1979-017AM, 1994-029CE, 1994-029DK, 1994-029EJ, 1994-029EQ, 1994-029EW, 1994-029FC, 1994-029FN, 1994-029FT, 1994-029WQ, 1994-029XAU, 1996-013B, 1998-067D | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: | | | | | | |
| None | | | | | | |
| Revisions that should be made to previously reported data: | | | | | | |
| None | | | | | | |

The following report supplements the registration data for the United States launches as of 11 May 2000. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | *General function of space object* |
|---|---|---|---|---|---|---|
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-022A | 03 May 2000 | 1 436.2 | 0.199 | 35 797 | 35 782 | Spacecraft engaged in practical applications and use of space technology such as weather or communications |
| 2000-022B | 03 May 2000 | 751.6 | 20.2 | 41 758 | 255 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-024A | 08 May 2000 | 1 443.9 | 2.9 | 35 970 | 35 911 | Spacecraft engaged in practical applications and use of space technology such as weather or communications |
| 2000-024B | 08 May 2000 | 92.3 | 28.6 | 582 | 198 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-024C | 08 May 2000 | 637.2 | 28.6 | 35 972 | 342 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-024D | 08 May 2000 | 1 443.1 | 28.1 | 35 971 | 35 924 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-025A | 11 May 2000 | 718.0 | 14.8 | 26 254 | 20 151 | Spacecraft engaged in practical applications and use of space technology such as weather or communications |
| 2000-025B | 11 May 2000 | 97.8 | 17.7 | 1 126 | 203 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-025C | 11 May 2000 | 351.1 | 19.0 | 20 018 | 149 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-028D | 24 May 2000 | 870.6 | 75.4 | 43 230 | 227 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

| International designation | Date of launch | Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space objects |
|---|---|---|---|---|---|---|
| | | *Data on orbital characteristics* | | | | |

The following objects not previously reported have been identified since the last report:

| | | | | | | |
|---|---|---|---|---|---|---|
| 1986-073D | 17 September 1986 | 100.5 | 98.6 | 821 | 789 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 May 2000:

None

The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 May 2000:

| | | | | | | |
|---|---|---|---|---|---|---|
| 2000-027A | 19 May 2000 | 92.0 | 51.6 | 384 | 361 | Reusable space transportation systems |

The following objects identified in a previous report are no longer in orbit as of 2400Z 31 May 2000:

1961-015JR, 1963-022B, 1978-026V, 1978-026HB, 1989-085D, 1990-015A, 1994-026B, 1994-029AR, 1994-029LH, 1994-029ABC, 1998-012C, 2000-008E, 2000-017B

The following objects were launched since the last report but did not achieve orbit:

None

Revisions that should be made to previously reported data:

None

The following report supplements the registration data for the United States launches as of 30 June 2000. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-030A | 07 June 2000 | 106.22 | 68.9422 | 1 700 | 405 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-030B | 07 June 2000 | 106.156 | 68.951 | 1 694 | 405 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-034A | 30 June 2000 | 1 435.93 | 7.0472 | 35 950 | 35 617 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-034B | 30 June 2000 | 479.737 | 26.9579 | 27 608 | 236 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-035A | 30 June 2000 | 1 435.94 | 63.3291 | 47 160 | 24 442 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1964-054A | 05 September 1964 | 3 808.95 | 45.5944 | 119 795 | 29 035 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 1963-014A | 09 May 1963 | 165.92 | 82.2173 | 4 382 | 2 887 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 30 June 2000: | | | | | | |
| None. | | | | | | |

| International designation | Date of launch | Basic orbital characteristics: Nodal period (min) | Inclination (degrees) | Apogee (km) | Perigee (km) | General function of space objects |
|---|---|---|---|---|---|---|

The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z, 30 June 2000:

None.

The following objects identified in a previous report are no longer in orbit as of 2400Z, 30 June 2000:

1961-015JL, 1970-025HE, 1972-058DT, 1972-058HB, 1978-026FP, 1991-027B, 1994-029CW, 1994-029EQ, 1994-029FA, 1994-029QE, 1994-029ACQ, 1994-029ADE, 1996-027E.

The following objects were launched since the last report but did not achieve orbit:

None.

Revisions that should be made to previously reported data:

None.

The following report supplements the registration data for the United States launches as of 31 July 2000. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-038A | 14 July 2000 | 1 436.1 | 0.1284 | 35 810 | 35 763 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-038B | 14 July 2000 | 644.1 | 26.4 | 36 529 | 129 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-040A | 16 July 2000 | 723.0 | 55.0 | 20 441 | 20 200 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-040B | 16 July 2000 | 98.6 | 37.5 | 1 198 | 197 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-040C | 16 July 2000 | 353.7 | 38.9 | 20 197 | 188 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-042A | 19 July 2000 | 95.9 | 97.7 | 595 | 557 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-042B | 19 July 2000 | 95.8 | 97.8 | 592 | 560 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-043A | 28 July 2000 | 1 443.8 | 0.03 | 35 791 | 35 694 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-043B | 28 July 2000 | 664.1 | 1.2 | 35 776 | 1 883 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

| | | Basic orbital characteristics | | | | |
|---|---|---|---|---|---|---|
| *International designation* | *Date of launch* | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | *General function of space objects* |
| The following objects not previously reported have been identified since the last report: | | | | | | |
| 1963-014CU | 09 May 1963 | 166.0 | 87.2 | 7 465 | 2 832 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |

The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 July 2000:

None

The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 July 2000:

None

The following objects identified in a previous report are no longer in orbit as of 2400Z 31 July 2000:

1963-014N, 1965-082CC, 1972-058AW, 1974-094E, 1994-029EG, 1994-029KP, 1994-029MM, 1997-035C, 1997-085A, 1999-026E, 2000-024B

The following objects were launched since the last report but did not achieve orbit:

None

Revisions that should be made to previously reported data:

None

The following report supplements the registration data for the United States launches as of 31 August 2000. All launches were made from the territory of the United States unless otherwise specified.

| *International designation* | *Date of launch* | *Basic orbital characteristics* | | | | *General function of space objects* |
|---|---|---|---|---|---|---|
| | | *Nodal period (min)* | *Inclination (degrees)* | *Apogee (km)* | *Perigee (km)* | |
| The following objects were launched since the last report and remain in orbit: | | | | | | |
| 2000-047A | 17 August 2000 | 97.2 | 68.0 | 686 | 574 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-047B | 17 August 2000 | 97.1 | 68.0 | 676 | 575 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| 2000-048A | 23 August 2000 | 360.6 | 27.6 | 20 620 | 188 | Spacecraft engaged in practical applications and uses of space technology such as weather or communications |
| 2000-048B | 23 August 2000 | 356.9 | 27.6 | 20 392 | 190 | Spent boosters, spent manoeuvring stages, shrouds and other non-functional objects |
| The following objects not previously reported have been identified since the last report: None. | | | | | | |
| The following objects not previously reported have been identified since the last report but are no longer in orbit as of 2400Z 31 August 2000: None. | | | | | | |
| The following objects achieved orbit since the last report but are no longer in orbit as of 2400Z 31 August 2000: None. | | | | | | |
| The following objects identified in a previous report are no longer in orbit as of 2400Z 31 August 2000: 1972-058DK, 1975-052DK, 1995-017E, 1994-029CQ, 1994-029IQ, 1994-029JR, 1996-056C, 1994-029NZ, 1999-026E, 2000-025B. | | | | | | |
| The following objects were launched since the last report but did not achieve orbit: None. | | | | | | |
| Revisions that should be made to previously reported data: None. | | | | | | |